

Converting Colors

$Y_{xy}(16.0761, 0.2720, 0.2394)$

Have a look what the booklet for
Yxy(16.0761, 0.2720, 0.2394)
contains.

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Color

Yxy(16.0853, 0.2722, 0.2399)

Conversions

Conversions Part 1

Format	Color
Hex	76689A
RGB	118, 104, 154
RGB Percent	46%, 41%, 60%
CMY	0.5374, 0.5921, 0.3961
CMYK	0.23, 0.32, 0.00, 0.40
HSL	257°, 20%, 51%
HSV	257°, 32%, 60%
XYZ	18.2510, 16.0853, 32.7137
YIQ	113.8860, -7.7060, 18.5180

Conversions

Conversions Part 2

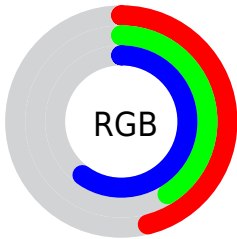
Format	Color
R _Y B	118, 104, 154
Decimal	7760026
CIE _{Lab}	47.09, 16.54, -25.18
CIE _{LCh}	47, 30.128, 303.291
Yxy	16.0853, 0.2722, 0.2399
Android (android.graphics.Color)	4285950106 (0xFF76689A)
YUV	113.8860, 19.7762, 3.6080
Hunter-Lab	40.1065, 11.0426, -20.2866

Details

The Yxy color **16.0853, 0.2722, 0.2399** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.6894, 0.3451, 0.4119**, and the grayscale version is **16.7322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7041, 0.2818, 0.2584**, and **5.1345, 0.2526, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **12.5315, 0.2565, 0.2084**, and if you desaturate by 10%, it is **20.2980, 0.2865, 0.2699**.

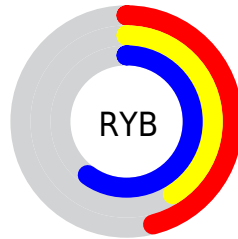
Distribution



Red (46%)

Green (41%)

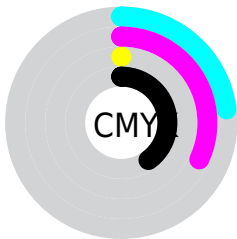
Blue (60%)



Red (46%)

Yellow (41%)

Blue (60%)

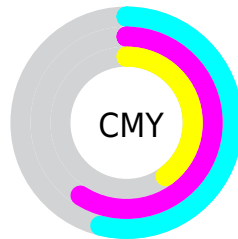


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (40%)



Cyan (54%)


Magenta (59%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0853, 0.2722, 0.2399 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 16.0853, 0.2722, 0.2399 by changing the saturation by 10% instead.


 16.0853, 0.2722,
0.2399


 16.0853, 0.2722,
0.2399


229.8445, 0.2963,
0.2894


 9.5845, 0.2646,
0.2258


 36.7462, 0.2821,
0.2592


 5.1244, 0.2536,
0.2065


 51.6752, 0.2854,
0.2660

 2.3204, 0.2366,
0.1791

 70.1823, 0.2881,
0.2717

 0.7845, 0.2082,
0.1374

 92.6520, 0.2904,
0.2764

 0.0000, 0.0615,
0.0000

119.4687, 0.2922,
0.2804

 0.0000, 0.0000,
0.0000

151.0168, 0.2938,

0.2838

187.6806, 0.2951,
0.2868

■ 16.0853, 0.2722,
0.2399

■ 16.0853, 0.2722,
0.2399

■ 12.5315, 0.2565,
0.2084

■ 20.2980, 0.2865,
0.2699

■ 9.6007, 0.2396,
0.1766

■ 25.1992, 0.2992,
0.2978

■ 7.2564, 0.2224,
0.1460

■ 30.8190, 0.3102,
0.3232

■ 5.4574, 0.2056,
0.1185

■ 37.1852, 0.3198,
0.3459

■ 4.1570, 0.1902,
0.0959

■ 44.3239, 0.3279,
0.3661

■ 3.3003, 0.1771,
0.0796

■ 52.2601, 0.3349,
0.3840

■ 2.8467, 0.1689,
0.0704

■ 61.0178, 0.3407,
0.3998

■ 70.6196, 0.3457,
0.4136

■ 81.0875, 0.3499,
0.4258

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.0853, 0.2288, 0.2362



16.0853, 0.2722, 0.2399



16.0853, 0.3311, 0.2625

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0853, 0.2722, 0.2399



16.0853, 0.4289, 0.3901



16.0853, 0.2379, 0.3558

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.0853, 0.2722, 0.2399



29.6894, 0.3451, 0.4119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.0853, 0.2866, 0.4122



16.0853, 0.2722, 0.2399



16.0853, 0.3977, 0.4265

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.0853, 0.2722, 0.2399



16.0853, 0.4270, 0.3444



16.0853, 0.3451, 0.4383



16.0853, 0.2104, 0.2963

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.0853, 0.2722, 0.2399



16.0853, 0.3716, 0.2859



16.0853, 0.3451, 0.4383



16.0853, 0.2522, 0.3764

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.0859, 0.2722, 0.2399



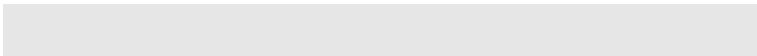
47.9662, 0.3018, 0.3038



24.2292, 0.2648, 0.3052



10.5677, 0.3003, 0.3003



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0859, 0.2722, 0.2399



24.3792, 0.2608, 0.2169



18.0169, 0.3017, 0.2471



6.1057, 0.3029, 0.3063



2.3353, 0.1696, 0.0708



0.0514, 0.2128, 0.0946

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.6679, 0.3340, 0.2709



29.8927, 0.3403, 0.2578



27.8013, 0.3197, 0.4189



6.2942, 0.3177, 0.3131



6.5385, 0.4046, 0.2003



0.1038, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 16.0853, 0.2722, 0.2399 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.0853, 0.2722, 0.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

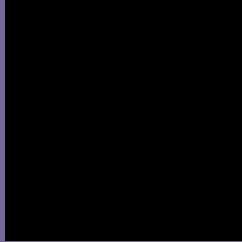
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0853, 0.2722, 0.2399

Background



This preview shows how black text looks on a background with the Yxy color 16.0853, 0.2722, 0.2399.



This preview shows how white text looks on a background with the Yxy color 16.0853, 0.2722, 0.2399.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.0853, 0.2722, 0.2399

Protanopia

16.1419, 0.2456, 0.2379

Deuteranopia

16.1044, 0.2536, 0.2479



Tritanopia

16.1697, 0.3031, 0.3110

Trichromacy



Original Color

16.0853, 0.2722, 0.2399

Protanomaly

16.1025, 0.2547, 0.2390

Deuteranomaly

16.0892, 0.2604, 0.2457

Tritanomaly

15.9685, 0.2916, 0.2827

Monochromacy



Original Color

16.0853, 0.2722, 0.2399

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3817, 0.2963, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0853, 0.2722, 0.2399 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 104, 154)` looks like.

```
.text, #text, p{  
    color:rgb(118, 104, 154)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 104, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 104, 154) }
```

Border

The CSS property to change the border of an element to Yxy 16.0853, 0.2722, 0.2399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 104, 154) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 104, 154) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 104, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 104, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 104, 154);  
box-shadow:4px 4px 4px 4px rgb(118, 104,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0853, 0.2722, 0.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 104, 154) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
104, 154) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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